

## Abstract

This invention concerns a novel fishing for positioning, detecting the fish catch and lighting, mainly comprising an inductive device and a lighting device and base plate is a flat design. The inductive device contains the inductive circuit  
5 board, the inductive coil, the inductive shaft and the spring. The lighting device consists of the lighting circuit board, a plurality of LEDs and a pedestal. In the process of sea fishing, since the float base is designed with flat bottom, it always maintains at a fixed place to indicate where the fish hook is without be driven back to the shore by the wave. The inductive shaft while being pulled  
10 down by catching a fish, will leave the induced range of inductive coil, at this moment, the central LEDs will emit the red light and the out-border blue LEDs will continue lighting. Otherwise, if there is no catch of fish on the fish hook, the central LEDs will not emit red light, but the out-border LEDs continue blue light. The central LED is designed with red lights differing from blue lights of  
15 the out-border LEDs. The out-border blue LEDs serve as indicative as well as lighting and the red LED serve as a fish catch signal.